

541,487

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number
WO 2004/063476 A1

(51) International Patent Classification:
S/80, E04H 17/22, 12/22

E02D 5/56.

(74) Agent: SMITH, Paul; Paul Smith Intellectual Property Law, 330 - 1508 West Broadway, Vancouver, British Columbia V6J 1W8 (CA).

(21) International Application Number:

PCT/CA2003/000021

(81) Designated States (*national*): AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 8 January 2003 (08.01.2003)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (*for all designated States except US*): PEAK INNOVATIONS INC. [CA/CA]; P.O. Box 33866, Vancouver, British Columbia V6J 4L6 (CA).

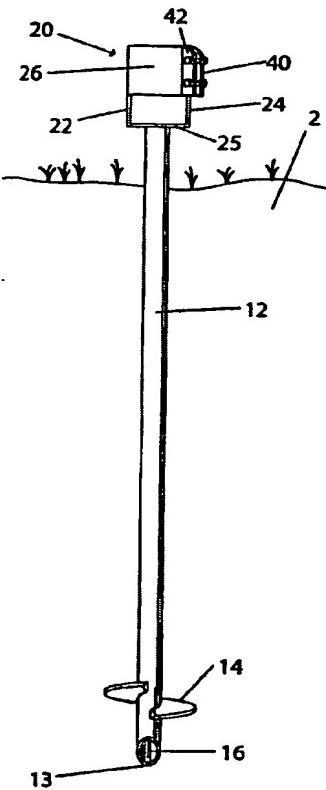
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): WALKER, Simon [CA/CA]; 4826 13th Avenue, Delta, British Columbia V4M 2B8 (CA). SUEN, Jenkin [CA/CA]; 8795 Saunders Road, Richmond, British Columbia V7A 2A6 (CA).

(Continued on next page)

(54) Title: SCREW-IN POST SUPPORT



(57) **Abstract:** A screw-in post support for use in supporting a post vertically above the ground. The post support has a four-sided post-receiving box mounted atop a shaft having a helical blade affixed thereto. Opposed rectangular slots are provided in two of the walls adjacent the floor of the box. The slots are dimensioned to allow the insertion of a rectangular piece of lumber in order to provide the necessary torque to screw the post support into and out of the ground. A pair of adjacent walls may be equipped with flanges that may be drawn toward one another to clamp the box around a post.

WO 2004/063476 A1